

ABSTRACT OF THE DISCLOSURE

A method and apparatus for embedding information into a target element in which information is to be embedded and a storage medium. The method and apparatus include obtaining plural sets of data values of a plurality of elements, wherein each set of data values is obtained along one direction extending through the target element, determining a strength of embedding information into the target element based on the plural sets of data values obtained, and embedding information into the target element based on the strength determined. The storage medium stores a program which enables embedding information by execution by a computer.